

CR Number: 3670
External Reference: SAFER CR 143, SAFER CR 302, SAFER CR 348
Category: SAFER XML
Component: SAFER/CVIEW
Synopsis: Develop a Business Use Case for E-screening Enrollment and Transponder ID Management/SAFER capability to support Transponder "Opt-Out" Process
Status: Approved
Disposition: [2007-07-26] Not voted on. Approved by FMCSA for SAFER 7.3.
Description: [2005-06-21] SAFER CR 302
This change request is created to address Call # 79695 initiated by Cambridge Systematics.

During recent development work on the Electronic Screening transaction for Connecticut, Cambridge Systematics described a business case scenario which SAFER does not handle in the current design of SAFER.

Transaction T0023 contains a list of states that the carrier authorizes SAFER to send its vehicles' transponder IDs to. If the state sends in another T0023 with one authorized state removed, does SAFER send out information to that state to remove those transponders?

It seems to suggest that when a carrier removes an authorized jurisdiction from the T0023 transaction SAFER needs a capability to inform the state and delete the transponder information associated with all vehicles owned by the particular carrier.

[2005-06-29] Presented and discussed at the 6/23/05 ACCB meeting.
It was suggested that resending the T0023 Carrier Authorization Input Transaction (E-Screening Enrollment) with a state removed would accomplish the goal of removing an authorized jurisdiction. Alana Gourneau (SD) offered to talk to CSI for further information/clarification of this CR. CR remains open pending further discussion.

[2005-08-02] Presented and discussed at the 7/28/05 ACCB meeting
Cambridge Systems, Inc. (CSI), explained the reasoning behind the request for a delete function for the T0024 transaction.

- A T0023 transaction is sent to SAFER authorizing States A, C, and D to receive vehicle transponder data.
- A new T0023 transaction is sent to SAFER authorizing States E, C, and D to receive vehicle transponder data.
- Delete transponder numbers from State A's vehicles since they are no longer authorized to receive the data.

Volpe will look into the requirement for SAFER to send out a T0024 with blank transponder numbers to delete the transponder numbers from State A's vehicle records. Volpe also suggested sending out a T0024 that includes the transponder numbers when a State is added to the T0023 transaction. This CR will remain open pending further SAFER analysis.

[2005-11-28] Discussed at the 11/17/05 CVISN ACCB meeting.
This CR and SAFER CR 143 (Modify the XML T0029 transaction not to include records that do not have transponder information) will be combined for further analysis and to develop a Business Use Case for e-screening enrollment and transponder ID management to enable states to see how it ties into their business processes. The Business Use Case will be presented to the ACCB for further discussion. The synopsis was changed to reflect this change.

[2006-05-04] SAFER CR 302 Presented at the 4/20/06 CVISN ACCB meeting.

Transaction T0023 contains a list of states to which a carrier authorizes SAFER to send its vehicles' transponder IDs. If a carrier wants to remove an authorized jurisdiction, the state sends in another T0023 without the jurisdiction that is no longer authorized. SAFER needs a capability to inform the no-longer-authorized state and delete the transponder information associated with all vehicles owned by the particular carrier. There was some discussion regarding a similar capability for adding an authorized vehicle. The ACCB suggested that VOLPE update the CR to explain the process in more detail. Volpe needs to modify the CR to make sure the interpretation of the request is correct and resubmit to the ACCB.

[2006-07-26] Discussed at the 7/20/06 ACCB meeting.

The ACCB agreed that this CR should be added to the list of e-screening issues and discussed further. Architecture CR 3670 asks Volpe to develop a Business Use Case for E-screening Enrollment and Transponder ID Management. The E-screening Use Case could be used as a mechanism to clarify the existing e-screening process for the stakeholders. This SAFER CR was incorporated into Arch CR 3670 (Synopsis: Develop a Business Use Case for E-screening Enrollment and Transponder ID Management), which will be discussed along with other issues in the E-screening Enrollment focus group.

[2006-11-21] Discussed at the 2006-11-16 ACCB meeting.

Volpe has not completed development of a Business Use Case for e-screening enrollment and transponder management, and it was requested that they participate in the E-Screening Focus Group.

[2006-05-17] Discussed at 2007-05-17 CVISN ACCB meeting. Volpe has rewritten SCR 302 to be the replacement for Architecture CR 4948 "T0023 E-Screening Enrollment Transaction is Ineffective" which was withdrawn at the 2007-04-19 ACCB meeting.

[2007-07-26] Not voted on. Approved by FMCSA for SAFER 7.3.

After a series of discussions on E-Screening business re-modeling, instead of implementing the Opt-In approach, the CVISN stakeholders proposed a Transponder "Opt-Out" Process for carriers that wish to decline E-Screening in specific states. The document created by Bill Goforth from WA is attached to this CR.

This new proposal requires SAFER to make the following changes:

1. SAFER shall allow any state to change any transponder data and its associated opt-out information via the new transaction T0024 v2.
2. SAFER shall have the capability to capture the changes for transponder, opt-out information, who made the changes, change date in the system and allow tracking via SAFER web query.
3. SAFER shall discontinue the T0023 transaction.
4. SAFER shall enhance the T0024 transaction to add the data elements for the opt-out information. The complete data elements in the T0024 V2 will contain the following:
 - VIN (mandatory)
 - transponder_number
 - transponder_jurisdiction (mandatory)
 - transponder_update_date (mandatory)
 - opt_out_jurisdiction
 - opt_out_state
 - opt_out_country
 - opt_out_change_date
 - opt_out_change_carrier
 - safety_carrier (mandatory)
 - activity_code (mandatory)
 - last_update_date (mandatory)

5. SAFER shall send all above transponder information to all states via the T0029 transaction unless the states are on the opt-out state list.
6. SAFER shall generate T0029 for updated e-screening transactions and baseline generation.
7. SAFER shall place the T0029 data files in the T0029 FTP root directory. SAFER shall remove the states directory at a later time when all states are ready to switch to the T0029 root directory for download.

The proposed process requires CVISN states to perform the following:

1. Update XML schema to the new T0024 v2
2. Program CVIEW to add logic to the T0029 processing to ignore transponder for screening when their jurisdiction is on the opt_out_jurisdiction list for the transponder.
3. Program CVIEW to point to the T0029 FTP directory for T0029 download.
4. Responsible for making changes to the opt_out jurisdiction data for the transponder and submit the updates via a T0024 update file to replace all previous opt-out jurisdictions for the transponder with the new opt_out jurisdictions.

Impact on SAFER:

The proposed change required a new data value added to the activity_code to reflect the revocation of an authorization for a particular jurisdiction.

In addition, the T0029 transaction will need to be modified to send out an update file containing empty transponder information for the vehicles owned by that particular carrier.

Impact on States:

See list above. The state will need to use the new activity code =20 in T0023 transaction to indicate the revocation of the previously authorized jurisdiction.

Fix:

Comment:

**Attachment
names:**

Responsibility: Magnusson Nancy C

Modified Time: 7/27/2007 4:07:22 PM

Modified By: Salazar Sandra B

Entered On: 6/21/2005 8:29:46 AM

Entered By: Magnusson Nancy C

Severity: Medium

Priority: No

Type: Enhancement

Closed On: